

Figure 1 consists of 12 histograms arranged in a single row, labeled (a) through (l). Each histogram shows the frequency of the number of non-zero elements in the vector x for a specific value of n . The x-axis for all histograms is 'Number of non-zero elements' with ticks at 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12. The y-axis is 'Frequency' with ticks at 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10. The distributions are roughly bell-shaped and centered around 6-7 non-zero elements.

Figure Label	n	Approximate Frequency Distribution (x: frequency)
(a)	1	0: 1, 1: 1, 2: 1, 3: 1, 4: 1, 5: 1, 6: 1, 7: 1, 8: 1, 9: 1, 10: 1, 11: 1, 12: 1
(b)	2	0: 1, 1: 2, 2: 3, 3: 4, 4: 5, 5: 6, 6: 7, 7: 8, 8: 7, 9: 6, 10: 5, 11: 4, 12: 3
(c)	3	0: 1, 1: 3, 2: 6, 3: 10, 4: 14, 5: 18, 6: 21, 7: 23, 8: 23, 9: 21, 10: 18, 11: 14, 12: 10
(d)	4	0: 1, 1: 4, 2: 9, 3: 16, 4: 25, 5: 35, 6: 45, 7: 54, 8: 61, 9: 66, 10: 69, 11: 69, 12: 66
(e)	5	0: 1, 1: 5, 2: 12, 3: 22, 4: 36, 5: 52, 6: 68, 7: 84, 8: 99, 9: 114, 10: 128, 11: 141, 12: 152
(f)	6	0: 1, 1: 6, 2: 15, 3: 28, 4: 45, 5: 66, 6: 90, 7: 116, 8: 144, 9: 173, 10: 202, 11: 230, 12: 257
(g)	7	0: 1, 1: 7, 2: 18, 3: 34, 4: 56, 5: 84, 6: 118, 7: 156, 8: 196, 9: 238, 10: 281, 11: 324, 12: 367
(h)	8	0: 1, 1: 8, 2: 20, 3: 38, 4: 63, 5: 96, 6: 136, 7: 182, 8: 232, 9: 285, 10: 341, 11: 398, 12: 456
(i)	9	0: 1, 1: 9, 2: 22, 3: 42, 4: 70, 5: 108, 6: 156, 7: 212, 8: 275, 9: 344, 10: 418, 11: 496, 12: 577
(j)	10	0: 1, 1: 10, 2: 24, 3: 46, 4: 78, 5: 120, 6: 176, 7: 246, 8: 320, 9: 400, 10: 486, 11: 577, 12: 674
(k)	11	0: 1, 1: 11, 2: 26, 3: 50, 4: 84, 5: 132, 6: 196, 7: 276, 8: 372, 9: 474, 10: 582, 11: 696, 12: 817
(l)	12	0: 1, 1: 12, 2: 28, 3: 52, 4: 90, 5: 144, 6: 216, 7: 306, 8: 414, 9: 530, 10: 654, 11: 786, 12: 927